

Job No.: SVCE/BBMP/VC/W.No.17/2016-17

Date: 04.02.2016

TEST REPORT

CLIENT	:	Executive Engineer, RR Nagara Division, BBMP, Bangalore.
AGENCY	:	M/S Vrushabhadri Construction, Bangalore.
NAME OF THE WORK	:	Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	405 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

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Authorised Signator



Job No.:

SVCE/BBMP/VC/W.No.17/2016-17

Date : 04.02.2016

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : Executive Engineer, RR Nagara Division, BBMP, Bangalore.
Agency : M/S Vrushabhadri Construction, Bangalore.
Name of Work : Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.

Date of Testing : 04.02.2016

Material : Sand

Total Wt. of Aggregates 2000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	78	3.90	3.90	96.1	90-100
2.36	152	7.60	11.50	88.5	75-100
1.18	148	7.40	18.90	81.1	55-90
600 Micron	541	27.05	45.95	54.1	35-59
300 Micron	632	31.60	77.55	22.5	8-30
150 Micron	296	14.80	92.35	7.6	0-10

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Job No.:

SVCE/BBMP/VC/W.No.17/2016-17

Date : 04.02.2016

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : Executive Engineer, RR Nagara Division, BBMP, Bangalore.
Agency : M/S Vrushabhadri Construction, Bangalore.
Name of Work : Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.
Date of Testing : 04.02.2016
Material : 40mm Aggregates

Total Wt. of Aggregates in gms 15000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	189	1.26	1.26	98.74	95-100
20	8256	55.04	56.30	43.70	30-70
10	3624	24.16	80.46	19.54	10-35
4.75	2547	16.98	97.44	2.56	0-5

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TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : Executive Engineer, RR Nagara Division, BBMP, Bangalore.
Agency : M/S Vrushabhadri Construction, Bangalore.
Name of Work : Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.
Date of Testing : 04.02.2016
Material : 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	198	4.0	4.0	96.0	95-100
10	2856	57.1	61.1	38.9	25-55
4.75	1624	32.5	93.6	6.4	0-10

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Date : 04.02.2016

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : Executive Engineer, RR Nagara Division, BBMP, Bangalore.
Agency : M/S Vrushabhadri Construction, Bangalore.
Name of Work : Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.

Date of Testing : 04.02.2016

Material : Sand

Total wt. of aggregates in gms = 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	17	1.70	1.70	98.3	95-100
2.36	15	1.50	3.20	96.8	95-100
1.18	36	3.60	6.80	93.2	90-100
600 Micron	78	7.80	14.60	85.4	80-100
300 Micron	251	25.10	39.70	60.3	20-65
150 Micron	486	48.60	88.30	11.7	0-15

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Job No.:

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Date : 04.02.2016

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : Executive Engineer, RR Nagara Division, BBMP, Bangalore.
Agency : M/S Vrushabhadri Construction, Bangalore.
Name of Work : Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.

Date of Testing : 04.02.2016

Material : Sand

Total wt. of aggregates in gms = 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	15	1.50	1.50	98.5	90-100
1.18	62	6.20	7.70	92.3	70-100
600 Micron	87	8.70	16.40	83.6	40-100
300 Micron	265	26.50	42.90	57.1	5-70
150 Micron	475	47.50	90.40	9.6	0-15

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Paul
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Job No.: SVCE/BBMP/VC/W.No.17/2016-17

Date: 05.02.2016

TEST REPORT

CLIENT	:	Executive Engineer, RR Nagara Division, BBMP, Bangalore.
AGENCY	:	M/S Vrushabhadri Construction, Bangalore.
NAME OF THE WORK	:	Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.
SAMPLE ID	:	Bricks Test - Class 5
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the samples are as follows:

Sl. No	Description	Test method as per IS Codes	Result	Requirement as per IS 1077-1992 (Rev-5)
1	Compressive Strength Of Bricks	IS 3495-1992 (Part-1)	5.42 N/mm ²	Class designation 5
2	Water Absorption of Bricks	IS 3495-1992 (Part - 2)	15.53 %	Not more than 20 %
3	Efflorescence of Bricks	IS 3495-1992 (Part - 3)	Moderate	Up to 12.5 Class
4	Dimensional Analysis of Bricks (minimum Sampling is 20 Nos.)	IS 1077-1992 (Rev - 5)		
(a)	Measurement of Length in mm		3864 mm	(3800 $\pm$ 80 mm)
(b)	Measurement of Width in mm		1837 mm	(1800 $\pm$ 40 mm)
(c)	Measurement of Height in mm		1422 mm	(1400 $\pm$ 40 mm)

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An ISO 9001 2008 Certified Company



Job No.: SVCE/BBMP/VC/W.No.17/2016-17

Date: 05.03.2016

TEST REPORT ON CEMENT MORTAR CUBES

Client : Executive Engineer, RR Nagara Division, BBMP, Bangalore.
 Contractor : M/S Vrushabhadri Construction, Bangalore.
 Name of the work : Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.
 Sample ID : Cement Mortar
 Size of cubes : 50mmx50mmx50mm
 Cross Sectional Area : 2500 mm²
 Technical Reference : IS: 516-1959 (Reaffirmed 2008)
 Compressive Strength as : 28th day
 on

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	06.02.2016	05.03.2016	0.785	136.5	54.60
3	06.02.2016	05.03.2016	0.796	137.2	54.88
3	06.02.2016	05.03.2016	0.778	138.6	55.44

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Job No.: SVCE/BBMP/VC/W.No.17/2016-17

Date: 05.03.2016

TEST REPORT ON CEMENT MORTAR CUBES

Client : Executive Engineer, RR Nagara Division, BBMP, Bangalore.
Contractor : M/S Vrushabhadri Construction, Bangalore.
Name of the work : Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.
Sample ID : Cement Mortar (Plastering)
Size of cubes : 50mmx50mmx50mm
Cross Sectional Area : 2500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	06.02.2016	05.03.2016	0.795	135.2	54.08
3	06.02.2016	05.03.2016	0.789	134.6	53.84
3	06.02.2016	05.03.2016	0.765	137.2	54.88

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Paul
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Job No.: SVCE/BBMP/VC/W.No.17/2016-17

Date: 23.02.2016

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : Executive Engineer, RR Nagara Division, BBMP, Bangalore.
Agency : M/S Vrushabhadri Construction, Bangalore.
Name of Work : Construction of Terrace floor building at JP Park swimming pool parking area in ward no.17, BBMP, Bangalore.
Sample Identification : 10mm,12mm,16mm,20mm, 25mm, Fe 500 TMT Bars
Technical Reference : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test : 23.02.2016

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress (N/mm ²)	Tensile strength (N/mm ²)	Elongation, percent on gauge length
2	Fe 500	10	0.62	546	557	14.5
3	Fe 500	12	0.88	560	571	15
4	Fe 500	16	1.58	573	584	15.5
5	Fe 500	20	2.46	589	598	16

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